

2-24-87
RCLA OK
inspect
Rick

RCLA RATA code 6-2
not TSD out of RCLA

SITE DESCRIPTION/EXECUTIVE SUMMARY

Site Name and Location

Ethyl Corporation
1600 W. 8 Mile Road
Ferndale, MI 48220-3
certified in 8/23/87 as
closed facility
Trunk's printout

County: Oakland
Michigan Code Number: 63-01N-11E-33CD
DNR District: Detroit
EPA ID Number: MID041803123

SAS Score/Screen No.:

EPA 160
3-16-84
approver
closure
plan
Rick Trunk
RCLA
confirms that
this means
RCLA is through
and RCLA
can inspect
2-24-87

system
closed facility
new right to
sell + someone
like has
right to
negotiate
negotiate
open

The Ethyl Corporation was a motor fuel list facility. The site is located on the northwest corner of Eight Mile and Pinecrest Roads in Ferndale. This is a highly urbanized area. The facility operated from approximately 1940 to 1980. As Ethyl Corp. was a research facility it is believed that only pilot plant quantities of chemicals were buried on site. Corporate officials say general Laboratory Chemicals, glassware, residues etc. were buried in several hand-dug pits located around the property from 1940 up through the early 1980's.

Well logs from 1941 shows clay from 23 feet to 150 feet. Static water levels were found to be at 7 feet. In the early 1980's the corporation started augering into some of these old dump sites and uncovered nothing dangerous. 75 tanks ranging in size from 500 to 10,000 gallons were excavated. In June 1983 a consulting firm installed 6 monitoring wells surrounding the most recent dump site. Sampling revealed nothing of concern but no organics were tested for. In 1984 auger borings revealed some organic contamination in the soils. Also monitoring well samples now showed 1-5 ug/l toluene and chloroform, and 40-400 ug/l of tetrahydrofuron.

Currently Ethyl Corp. has offered to give the site to Oakland County, if accepted before December 31, 1985. The County which commissioned some of the sampling on site refused the offer on the grounds that cleanup costs could be astronomical. Oakland County health officials then referred the site to MDNR. The property is now for sale.

Follow Up Recommendations to EPA

This site is given a high priority due to the burial of hazardous substances on site, and the contamination of the groundwater by these substances. A systematic program of groundwater sampling should be instituted here to determine the types of contamination of the areal extent of the contamination.

Date of Previous Summary:
Previous Author:

Current Date: 3/14/86
Author: Barry J. Christian

Site Assessment Unit
Groundwater Quality Division
Michigan Dept. of Natural Resources

US EPA RECORDS CENTER REGION 5



445756



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 1 - SITE INFORMATION AND ASSESSMENT

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
MID 041803123

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site) ETHYL CORPORATION	02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER 1600 W. 8 MILE ROAD				
03 CITY FERNDALE	04 STATE MI	05 ZIP CODE 48220	06 COUNTY OAKLAND	07 COUNTY CODE 125	08 CONG DIST 17
09 COORDINATES LATITUDE 42 2 40		LONGITUDE 83 00 55		ROYAL OAK QUAD 7.5' SERIES	
10 DIRECTIONS TO SITE (Starting from nearest public road) FROM I-75 NORTHBOUND OUT OF DETROIT TAKE THE 8 MILE RD. EXIT. TAKE 8 MILE RD. WEST APPROX. 2 MILES TO PINECREST RD., IN FERNDALE. SITE IS AT THE INTERSECTION OF 8 MILE RD AND PINECREST.					

III. RESPONSIBLE PARTIES

01 OWNER (if known) ETHYL CORPORATION	02 STREET (Business, mailing, residential) 451 Florida Blvd *				
03 CITY Baton Rouge	04 STATE LA	05 ZIP CODE 70801	06 TELEPHONE NUMBER ()		
07 OPERATOR (if known and different from owner)	08 STREET (Business, mailing, residential)				
09 CITY	10 STATE	11 ZIP CODE	12 TELEPHONE NUMBER ()		
13 TYPE OF OWNERSHIP (Check one) <input checked="" type="checkbox"/> A. PRIVATE <input type="checkbox"/> B. FEDERAL: _____ (Agency name) <input type="checkbox"/> C. STATE <input type="checkbox"/> D. COUNTY <input type="checkbox"/> E. MUNICIPAL <input type="checkbox"/> F. OTHER: _____ (Specify) <input type="checkbox"/> G. UNKNOWN					

14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply)

☒ A. RCRA 3001 DATE RECEIVED: MONTH DAY YEAR ☐ B. UNCONTROLLED WASTE SITE (CERCLA 103 c) DATE RECEIVED: 8 8 80 MONTH DAY YEAR ☐ C. NONE

IV. CHARACTERIZATION OF POTENTIAL HAZARD

01 ON SITE INSPECTION <input checked="" type="checkbox"/> YES DATE MONTH DAY YEAR <input type="checkbox"/> NO	BY (Check all that apply) <input type="checkbox"/> A. EPA <input type="checkbox"/> B. EPA CONTRACTOR <input type="checkbox"/> C. STATE <input type="checkbox"/> D. OTHER CONTRACTOR <input type="checkbox"/> E. LOCAL HEALTH OFFICIAL <input type="checkbox"/> F. OTHER: _____ (Specify) CONTRACTOR NAME(S): _____	
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02 SITE STATUS (Check one)

☐ A. ACTIVE ☒ B. INACTIVE ☐ C. UNKNOWN

03 YEARS OF OPERATION

~ 40 YRS. 1
BEGINNING YEAR ENDING YEAR ☐ UNKNOWN

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED

Toluene, Chloroform, Tetrahydrofuran, pilot plant quantities of glassware, residues, and general lab wastes.

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION

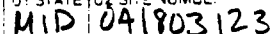
Most of these chemicals exist in unknown quantities, in hand-dug pits that were filled in with sand. Potential hazards include direct contact by future excavation, and contamination of soils and groundwater.

V. PRIORITY ASSESSMENT

01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Constituents and Incidents) <input checked="" type="checkbox"/> A. HIGH (Inspection required promptly) <input type="checkbox"/> B. MEDIUM (Inspection required) <input type="checkbox"/> C. LOW (Inspect on time available basis) <input type="checkbox"/> D. NONE (No further action needed. Complete current disposition form)

VI. INFORMATION AVAILABLE FROM

01 CONTACT Steve Cunningham	02 OF (Agency/Organization) MDNR	03 TELEPHONE NUMBER ()
04 PERSON RESPONSIBLE FOR ASSESSMENT Barry Christian/Steve Cunningham	05 AGENCY MDNR	06 ORGANIZATION SITE ASSESSMENT UNIT
07 TELEPHONE NUMBER (517) 373-4800		08 DATE 3 15 86 MONTH DAY YEAR



I HIGHLY VOLATILE
J EXPLOSIVE
K REACTIVE
L INCOMPATIBLE
M NOT APPLICABLE

EPA FORM 2070-12 (7-81)



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
MID 041803123

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 <input checked="" type="checkbox"/> A. GROUNDWATER CONTAMINATION 03 POPULATION POTENTIALLY AFFECTED: _____	02 <input checked="" type="checkbox"/> OBSERVED (DATE: <u>1984</u>) 04 NARRATIVE DESCRIPTION	<input type="checkbox"/> POTENTIAL <input type="checkbox"/> ALLEGED
01 <input checked="" type="checkbox"/> B. SURFACE WATER CONTAMINATION 03 POPULATION POTENTIALLY AFFECTED: _____	02 <input type="checkbox"/> OBSERVED (DATE: _____) 04 NARRATIVE DESCRIPTION	<input checked="" type="checkbox"/> POTENTIAL <input type="checkbox"/> ALLEGED
01 <input type="checkbox"/> C. CONTAMINATION OF AIR 03 POPULATION POTENTIALLY AFFECTED: _____	02 <input type="checkbox"/> OBSERVED (DATE: _____) 04 NARRATIVE DESCRIPTION	<input type="checkbox"/> POTENTIAL <input type="checkbox"/> ALLEGED
<i>none documented</i>		
01 <input type="checkbox"/> D. FIRE/EXPLOSIVE CONDITIONS 03 POPULATION POTENTIALLY AFFECTED: _____	02 <input type="checkbox"/> OBSERVED (DATE: _____) 04 NARRATIVE DESCRIPTION	<input type="checkbox"/> POTENTIAL <input type="checkbox"/> ALLEGED
<i>none documented</i>		
01 <input checked="" type="checkbox"/> E. DIRECT CONTACT 03 POPULATION POTENTIALLY AFFECTED: _____	02 <input type="checkbox"/> OBSERVED (DATE: _____) 04 NARRATIVE DESCRIPTION	<input checked="" type="checkbox"/> POTENTIAL <input type="checkbox"/> ALLEGED
<i>During future excavations, direct contact may be a hazard.</i>		
01 <input type="checkbox"/> F. CONTAMINATION OF SOIL 03 AREA POTENTIALLY AFFECTED: <u>>10</u> (Acres)	02 <input checked="" type="checkbox"/> OBSERVED (DATE: <u>1984</u>) 04 NARRATIVE DESCRIPTION	<input type="checkbox"/> POTENTIAL <input type="checkbox"/> ALLEGED
01 <input type="checkbox"/> G. DRINKING WATER CONTAMINATION 03 POPULATION POTENTIALLY AFFECTED: _____	02 <input type="checkbox"/> OBSERVED (DATE: _____) 04 NARRATIVE DESCRIPTION	<input type="checkbox"/> POTENTIAL <input type="checkbox"/> ALLEGED
<i>none documented: this is a highly urbanized area and everyone is on municipal water.</i>		
01 <input type="checkbox"/> H. WORKER EXPOSURE/INJURY 03 WORKERS POTENTIALLY AFFECTED: _____	02 <input type="checkbox"/> OBSERVED (DATE: _____) 04 NARRATIVE DESCRIPTION	<input type="checkbox"/> POTENTIAL <input type="checkbox"/> ALLEGED
<i>non - documented</i>		
01 <input type="checkbox"/> I. POPULATION EXPOSURE/INJURY 03 POPULATION POTENTIALLY AFFECTED: _____	02 <input type="checkbox"/> OBSERVED (DATE: _____) 04 NARRATIVE DESCRIPTION	<input type="checkbox"/> POTENTIAL <input type="checkbox"/> ALLEGED
<i>non - documented</i>		



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PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
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II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☐ J. DAMAGE TO FLORA
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☒ POTENTIAL

☐ ALLEGED

Potential exists but is not documented.

01 ☐ K. DAMAGE TO FAUNA
04 NARRATIVE DESCRIPTION (include name(s) of species)

02 ☐ OBSERVED (DATE: _____)

☒ POTENTIAL

☐ ALLEGED

Soil fauna may be impacted

01 ☐ L. CONTAMINATION OF FOOD CHAIN
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☒ POTENTIAL

☐ ALLEGED

01 ☐ M. UNSTABLE CONTAINMENT OF WASTES
(Spills/runoff/standing liquids/leaking drums)
03 POPULATION POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

04 NARRATIVE DESCRIPTION

01 ☐ N. DAMAGE TO OFFSITE PROPERTY
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

non documented

01 ☐ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

non documented

01 ☐ P. ILLEGAL/UNAUTHORIZED DUMPING
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

non documented

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

non documented

III. TOTAL POPULATION POTENTIALLY AFFECTED: _____

IV. COMMENTS

This site has had random burying of unknown types and quantities of chemicals in hand-dug sand pits for at least 30 years. Monitoring and sampling is needed.

V. SOURCES OF INFORMATION (Cite specific references, e.g., state laws, sampling analysis, reports)

MONR - GHD files